

F.W. Kent Park Lake Water Quality Results				Parameter Targets								Weather Conditions			
				≥ 5.00 mg/L	≤ 1 M	6.50 - 9.00	Total < 0.9 mg/L		< 0.100 mg/L	< 100 µg/L					
	Time	Temp (°C)	Temp (°F)	D.O. (mg/L)	Secchi (M)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia (mg/L)	24-Hour Rainfall (in)	Cloud Cover	Wind Speed (mph)	Daily Temp (°F)
KPL-N	8:08 AM	26.7	80.1	5.23	2.35	8.44	0.0	0.0	0.090	90	0.1	0.0	0%	3 mph SE	71
KPL-NE	8:13 AM	27.1	80.8	6.03	2.42	8.38	0.0	0.0	0.100	100	0.1	0.0	0%	3 mph SE	71
KPL-NW	8:22 AM	27.3	81.1	5.61	2.61	8.37	0.0	0.0	0.060	60	0.1	0.0	0%	3 mph SE	71
KPL-Ramp	9:10 AM	27.6	81.7	6.08	1.80*	8.48	0.0	0.0	0.070	70	0.1	0.0	0%	3 mph SE	71
KPL- Beach	9:01 AM	27.6	81.7	6.25	2.28*	8.54	0.0	0.0	0.030	30	0.1	0.0	0%	3 mph SE	71
KPL- SE	8:50 AM	27.6	81.7	5.84	2.20	8.44	0.0	0.0	0.140	140	0.1	0.0	0%	3 mph SE	71
KPL-Deep	8:38 AM	27.6	81.7	5.28	3.04	8.63	0.0	0.0	0.060	60	0.1	0.0	0%	3 mph SE	71
KPL-Outflow	10:12 AM	27.2	81.0	4.53	>62 T.T.	8.41	0.0	0.0	0.170	170	0.2	0.0	0%	3 mph SE	71

\* bottomed out on lake

Main Stem Drainage Water Quality Results				Parameter Targets								Weather Conditions				
				≥ 5.00 mg/L		6.50 - 9.00	Total < 0.9 mg/L		< 0.100 mg/L	< 100 µg/L						
	Time	Temp (°C)	Temp (°F)	D.O. (mg/L)	Transparency Tube (cm)	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia (mg/L)	24-Hour Rainfall (in)	Cloud	Cover	Wind Speed (mph)	Daily Temp (°F)
M-1	2:44 PM	33.5	92.3	3.83	7.4	7.84	0.0	0.0	3.30	3300	IS	0.0	0%		5 mph S	95
Trib-1	10:31 AM	21.5	70.7	6.75	37	8.13	2.0	0.0	0.64	640	0.4	0.0	0%		5 mph S	81
Trib-2	10:54 AM	26.5	79.7	2.91	>62	7.79	0.0	0.0	0.33	330	0.6	0.0	0%		5 mph S	81
CB-1 Mid	10:43 AM	28.2	82.8	9.46	>62	9.75	0.0	0.0	0.14	140	0.1	0.0	0%		5 mph S	81
CB-1 Out	12:23 PM	24.7	76.5	4.28	>62	7.53	0.0	0.0	0.98	980	3.0	0.0	0%		5 mph S	87
CB-2 In	11:05 AM	21.2	70.2	7.09	>62	8.21	0.0	0.0	0.61	610	0.2	0.0	0%		5 mph S	81
CB-2 Out	12:37 PM	21.6	70.9	5.35	>62	7.87	0.0	0.0	0.44	440	0.2	0.0	0%		5 mph S	87
CB-3A In	12:58 PM	26.3	79.3	4.50	>62	7.84	0.0	0.2	0.19	190	0.2	0.0	0%		5 mph S	87
CB-3A Out	1:02 PM	26.1	79.0	4.22	>62	7.85	0.0	0.0	0.08	80	0.2	0.0	0%		5 mph S	87
CB-3 In	1:08 PM	26.2	79.2	4.35	>62	8.02	0.0	0.0	0.17	170	0.2	0.0	0%		5 mph S	87
CB-3 Out	1:20 PM	24.3	75.7	4.97	>62	7.70	0.0	0.0	0.41	410	1.0	0.0	0%		5 mph S	87
CB-E In	1:34 PM	30.5	86.9	3.37	55	7.75	0.0	0.0	0.36	360	0.2	0.0	0%		5 mph S	87
CB-E Out	no flowing water												0%	5 mph S	87	

IS - Insufficient sample to perform an ammonia test.

Northwest Drainage Water Quality Results				Parameter Targets								Weather Conditions				
				≥ 5.00 mg/L		6.50 - 9.00	Total < 0.9 mg/L		< 0.100 mg/L	< 100 µg/L						
	Time	Temp (°C)	Temp (°F)	D.O. (mg/L)	Transparency Tube	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia (mg/L)	24-Hour Rainfall (in)	Cloud	Cover	Wind Speed (mph)	Daily Temp (°F)
CB-A MID	8:20 AM	28.4	83.1	7.85	>62	8.93	0.0	0.0	0.22	220	0.1	0	0%		11 mph N	75
CB-A Out	no water flowing											0	0		11 mph N	75
CB-B In	8:58 AM	28.2	82.8	3.61	34	7.82	0.0	0.0	0.58	580	0.2	0	0%		11 mph N	75
CB-B Out	9:10 AM	25.9	78.6	5.42	>62	8.02	0.0	0.0	0.44	440	0.2	0	0%		11 mph N	75
CB-C In	10:00 AM	27.3	81.1	5.83	>62	8.09	0.0	0.0	0.25	250	0.2	0	0%		11 mph N	75
CB-C Out	10:22 AM	24.4	75.9	4.06	>62	7.61	0.0	0.0	1.06	1060	0.1	0	0%		11 mph N	75
CB-4 In	11:00 AM	28.1	82.6	3.29	>62	7.93	0.0	0.0	0.32	320	0.2	0	0%		11 mph N	75
CB-4 Out	11:24 AM	23.6	74.5	5.35	>62	7.68	0.0	0.0	0.65	650	0.0	0	0%		11 mph N	75

Campground - Red Haw Valley Water Quality Results				Parameter Targets								Weather Conditions				
				≥ 5.00 mg/L		6.50 - 9.00	Total < 0.9 mg/L		< 0.100 mg/L	< 100 µg/L						
	Time	Temp (°C)	Temp (°F)	D.O. (mg/L)	Transparency Tube	pH	Nitrate (mg/L)	Nitrite (mg/L)	Phosphate (mg/L)	Phosphate (µg/L)	Ammonia (mg/L)	24-Hour Rainfall (in)	Cloud	Cover	Wind Speed (mph)	Daily Temp (°F)
CGRH - 1	7:50 AM	19.4	66.9	8.30	12.2	8.28	0.0	0.0	1.530	1530	0.2	0	0%		8 mph N	73
CGRH - 2	no flowing water															

Collection Location m-1	Collector and Phone sutherland heather 319/930-8818	Client Reference larry gullett	Accession # 2138654
OXFORD,	Collected 2022-07-20 10:35	Received 2022-07-20 11:21	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD  2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

**RESULTS OF ANALYSIS - FINAL REPORT**

<u>TEST</u>	<u>RESULT ([MPN]/100mL)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
<i>E.coli</i> Bacteria, SM 9223 B <b>E.coli</b>	<b>85</b>	<b>10</b>	

**SAMPLE AND ANALYSIS NOTES**

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

**ANALYSIS INFORMATION**

<u>TEST</u>	<u>ANALYZED</u>	<u>SITE</u>	<u>RELEASED</u>	<u>ANALYSIS PREP</u>
1. E.coli Bacteria, SM 9223 B	2022-07-20 12:50 AS, DJO	3200	2022-07-21 13:41 AS	

**DESCRIPTION OF UNITS**

[MPN]/100mL = Most Probable Number per 100 Milliliters

**SITE(S) PERFORMING TESTING**

3200 STATE HYGIENIC LABORATORY CORALVILLE, UNIVERSITY OF IOWA RESEARCH PK, 2490 CROSSPARK RD, CORALVILLE, IA 52241; Phone 319/335-4500; Fax 319/335-4555; Michael D. Schueller, M.S., Associate Director; Wade K. Aldous, Ph.D. (D)ABMM, Associate Director; IOWA ENVIRONMENTAL LAB ID #027

The result(s) of this report relate only to the items analyzed. Where the laboratory has not been responsible for the sampling stage the results apply only to the sample as received. This report shall not be reproduced except in full without the written approval of the laboratory. If you have any questions, please call Client Services at 800/421-IOWA (4692) or 319/335-4500.



<b>Collection Location</b> trib-1	<b>Collector and Phone</b> sutherland heather 319/930-8818	<b>Client Reference</b> larry gullett	<b>Accession #</b> 2138658
OXFORD,	<b>Collected</b> 2022-07-20 09:32	<b>Received</b> 2022-07-20 11:21	<b>Project</b>
<b>Report To</b>	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD		<b>Sample Description</b> surface water
	2048 HWY 6 NW OXFORD, IA 52322		<b>Sample Type</b> Non-Drinking Water
			<b>Sample Source</b>
			<b>Sample Note(s)</b> 1

**RESULTS OF ANALYSIS - FINAL REPORT**

<u>TEST</u>	<u>RESULT ([MPN]/100mL)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
<i>E.coli</i> Bacteria, SM 9223 B <b>E.coli</b>	<b>12000</b>	<b>10</b>	

**SAMPLE AND ANALYSIS NOTES**

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

**ANALYSIS INFORMATION**

<u>TEST</u>	<u>ANALYZED</u>	<u>SITE</u>	<u>RELEASED</u>	<u>ANALYSIS PREP</u>
1. <i>E.coli</i> Bacteria, SM 9223 B	2022-07-20 12:50 AS, DJO	3200	2022-07-21 13:41 AS	

**DESCRIPTION OF UNITS**

[MPN]/100mL = Most Probable Number per 100 Milliliters

**SITE(S) PERFORMING TESTING**

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Collection Location trib-2	Collector and Phone sutherland heather 319/930-8818	Client Reference larry gullett	Accession # 2138657
OXFORD,	Collected 2022-07-20 09:37	Received 2022-07-20 11:21	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD  2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	QUANT LIMIT	ANALYSIS NOTE(S)
<i>E.coli</i> Bacteria, SM 9223 B E.coli	300	10	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. E.coli Bacteria, SM 9223 B	2022-07-20 12:50 AS, DJO	3200	2022-07-21 13:41 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

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Collection Location cb-1 out	Collector and Phone sutherland heather 319/930-8818	Client Reference larry gullett	Accession # 2138656
OXFORD,	Collected 2022-07-20 09:41	Received 2022-07-20 11:21	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD  2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	QUANT LIMIT	ANALYSIS NOTE(S)
<i>E.coli</i> Bacteria, SM 9223 B E.coli	63	10	

SAMPLE AND ANALYSIS NOTES

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ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. E.coli Bacteria, SM 9223 B	2022-07-20 12:50 AS, DJO	3200	2022-07-21 13:41 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

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Collection Location cgrh-1	Collector and Phone riek jeremy 319/930-8318	Client Reference larry gullett	Accession # 2138655
OXFORD,	Collected 2022-07-20 10:05	Received 2022-07-20 11:21	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD  2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	QUANT LIMIT	ANALYSIS NOTE(S)
<i>E.coli</i> Bacteria, SM 9223 B E.coli	1800	10	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. E.coli Bacteria, SM 9223 B	2022-07-20 12:50 AS, DJO	3200	2022-07-21 13:41 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

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Collection Location beach	Collector and Phone alexander mike 319/930-8818	Client Reference larry gullett	Accession # 2138659
OXFORD,	Collected 2022-07-20 08:44	Received 2022-07-20 11:21	Project
Report To	LARRY GULLETT/BLAKE HARRIS JOHNSON CO CONSERVATION BOARD  2048 HWY 6 NW OXFORD, IA 52322		Sample Description surface water
			Sample Type Non-Drinking Water
			Sample Source
			Sample Note(s) 1

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT ([MPN]/100mL)	QUANT LIMIT	ANALYSIS NOTE(S)
<i>E.coli</i> Bacteria, SM 9223 B E.coli	<10.	10	

SAMPLE AND ANALYSIS NOTES

1. Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. E.coli Bacteria, SM 9223 B	2022-07-20 12:50 AS, DJO	3200	2022-07-21 13:41 AS	

DESCRIPTION OF UNITS

[MPN]/100mL = Most Probable Number per 100 Milliliters

SITE(S) PERFORMING TESTING

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